



Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

1/15

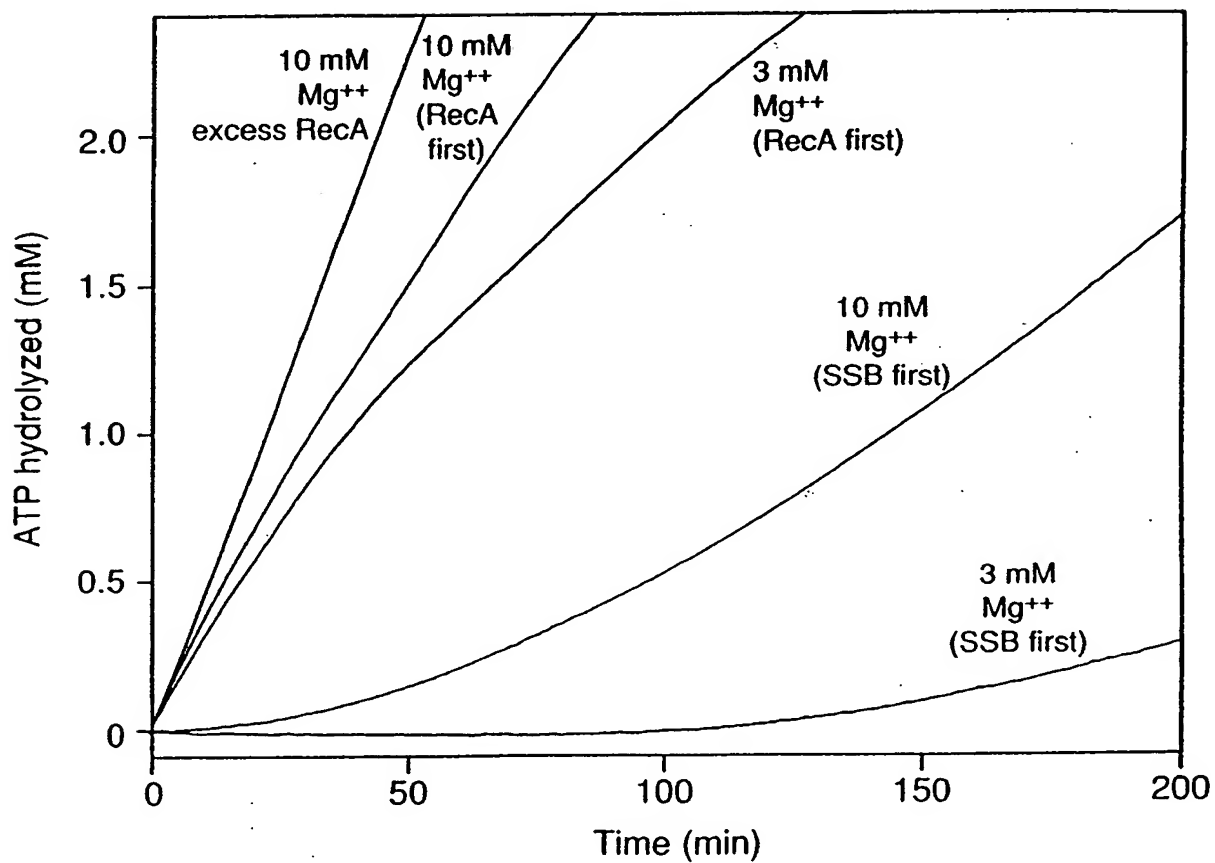


FIG 1

Title: RecA MUTANTS

Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger

Application No.:

Docket Number: 960296.99501

2/15

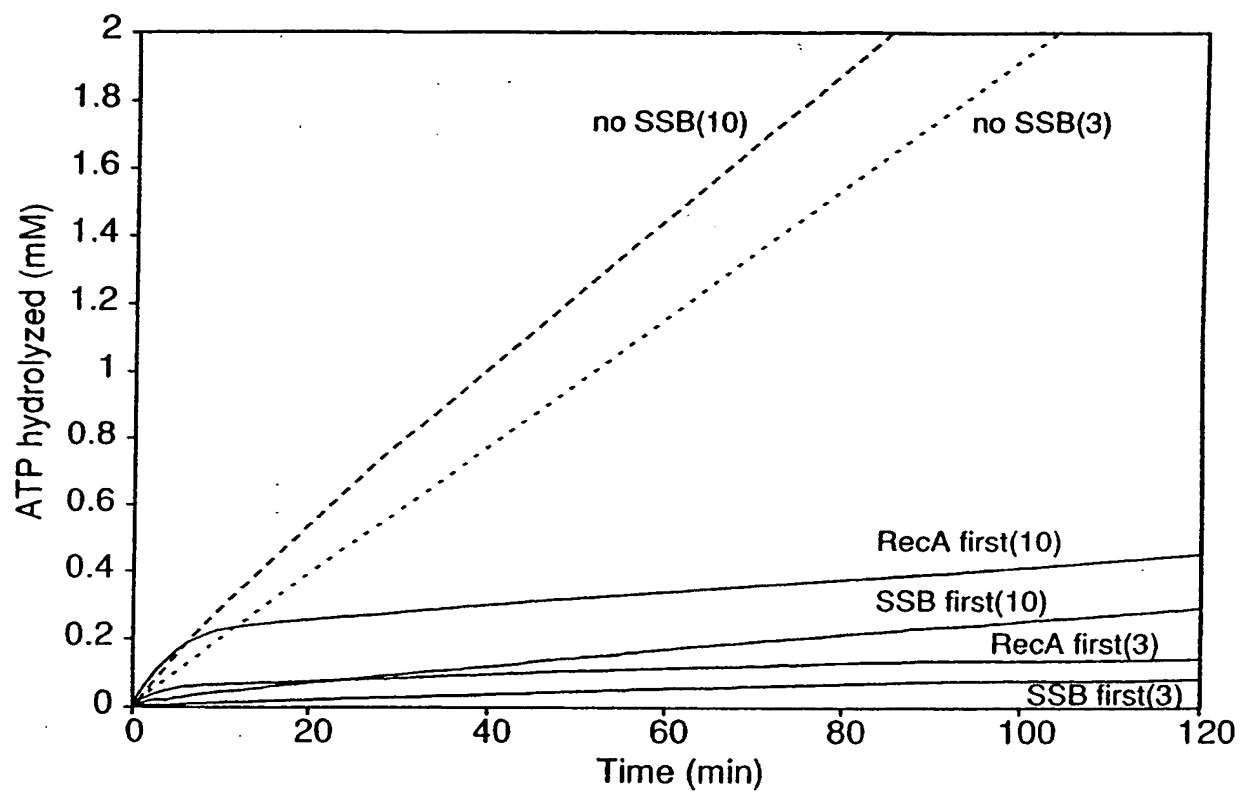


FIG 2

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Eggler  
Application No.:  
Docket Number: 960296.99501

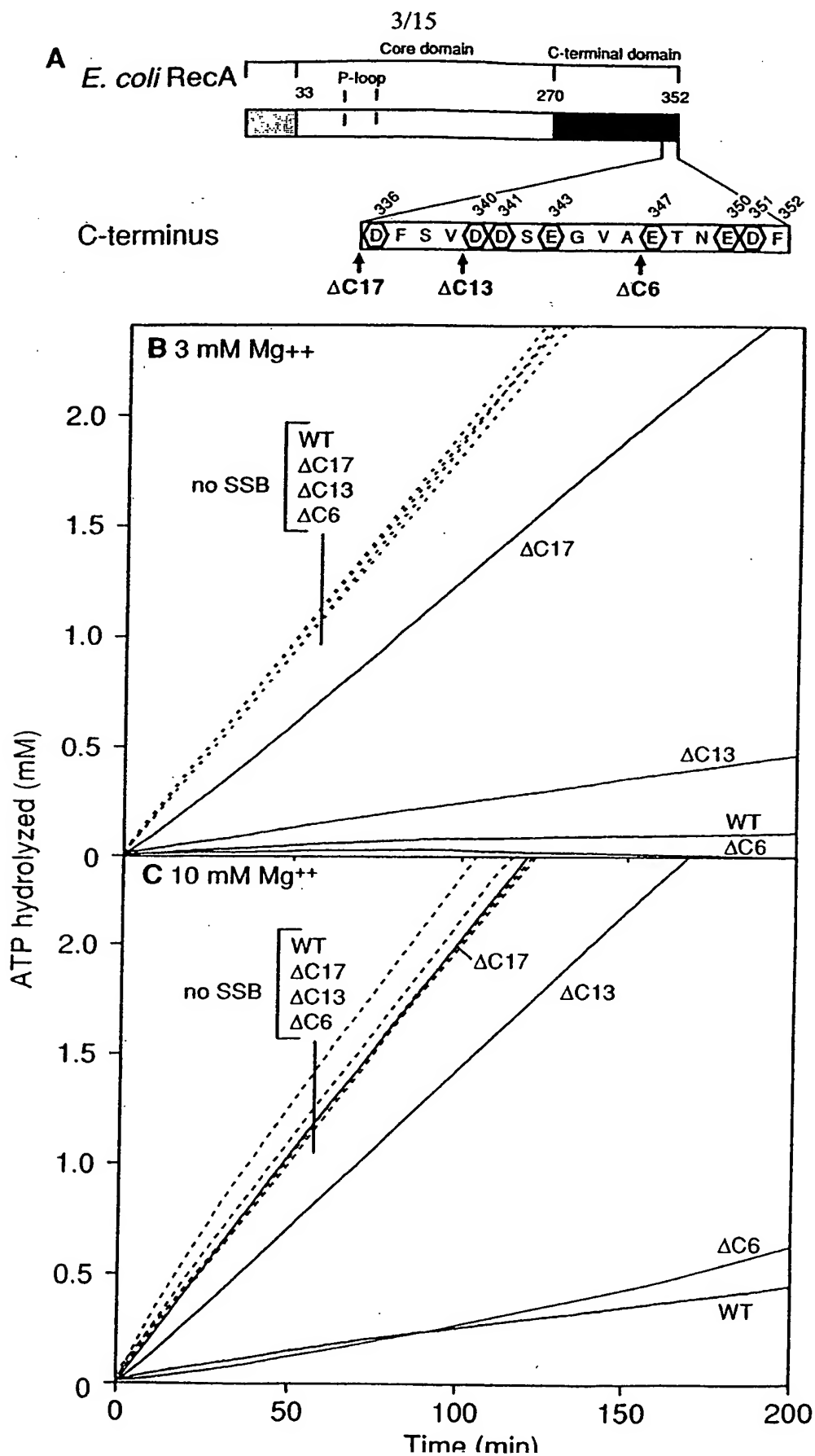
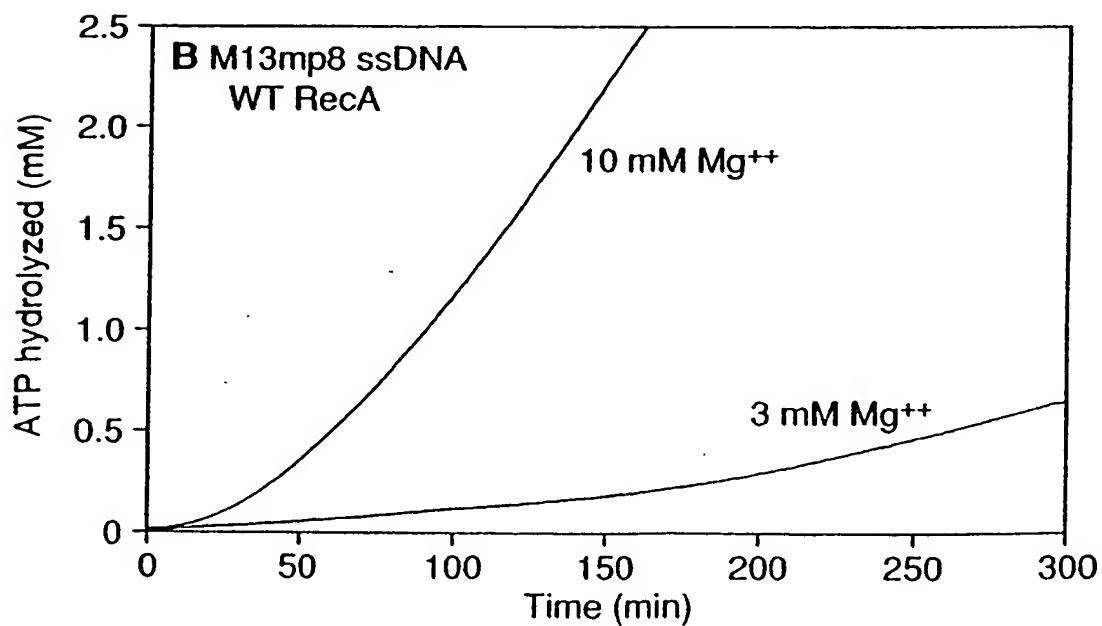
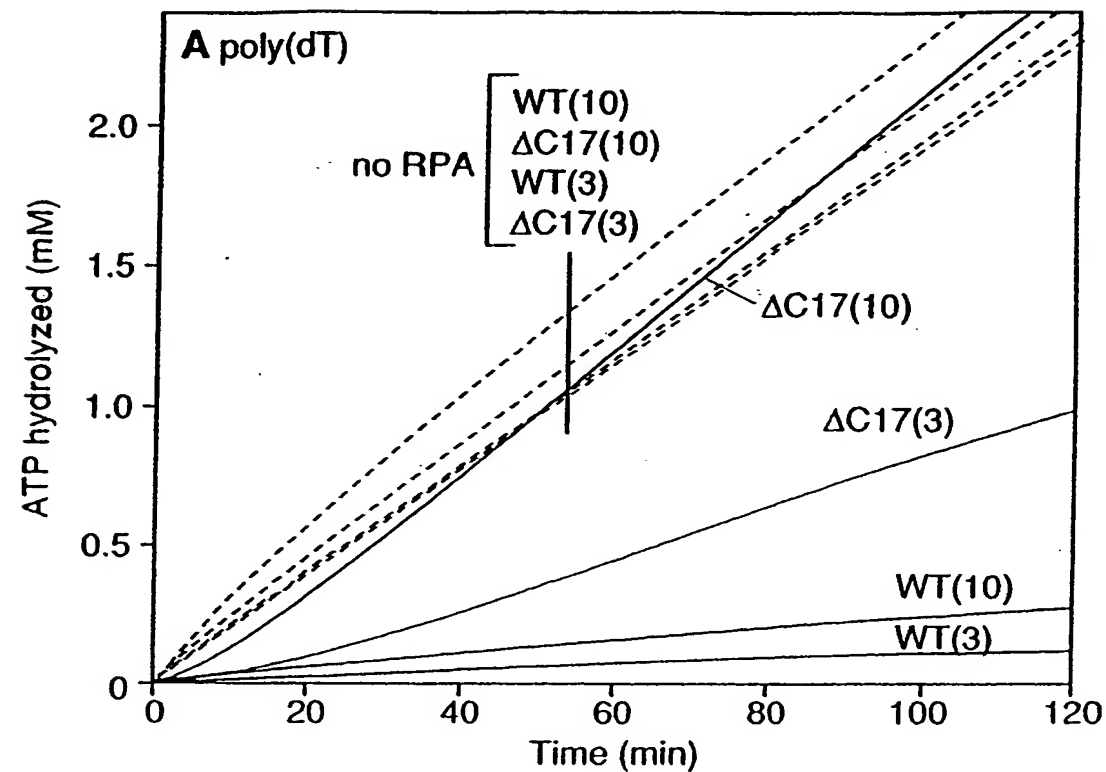


FIG 3

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Eggler  
Application No.:  
Docket Number: 960296.99501

4/15



**FIG 4**

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Eggler  
Application No.:  
Docket Number: 960296.99501

5/15

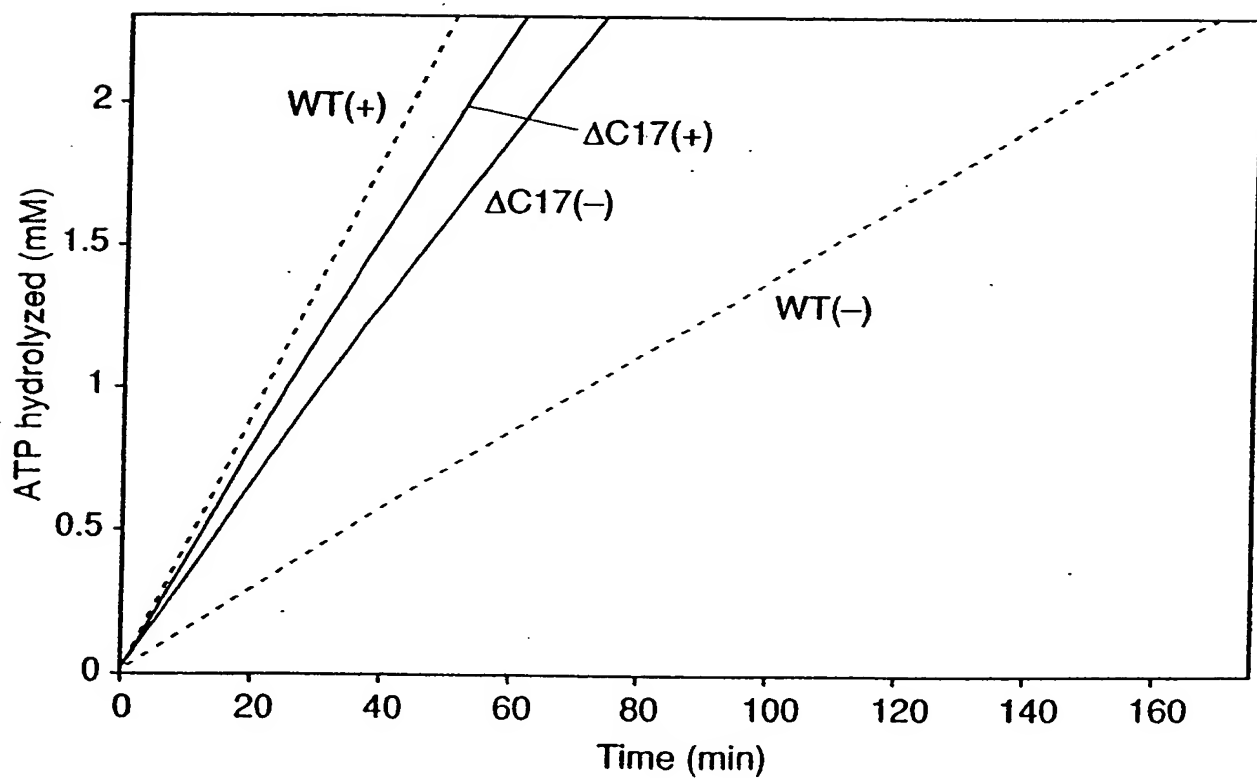


FIG 5

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

6/15

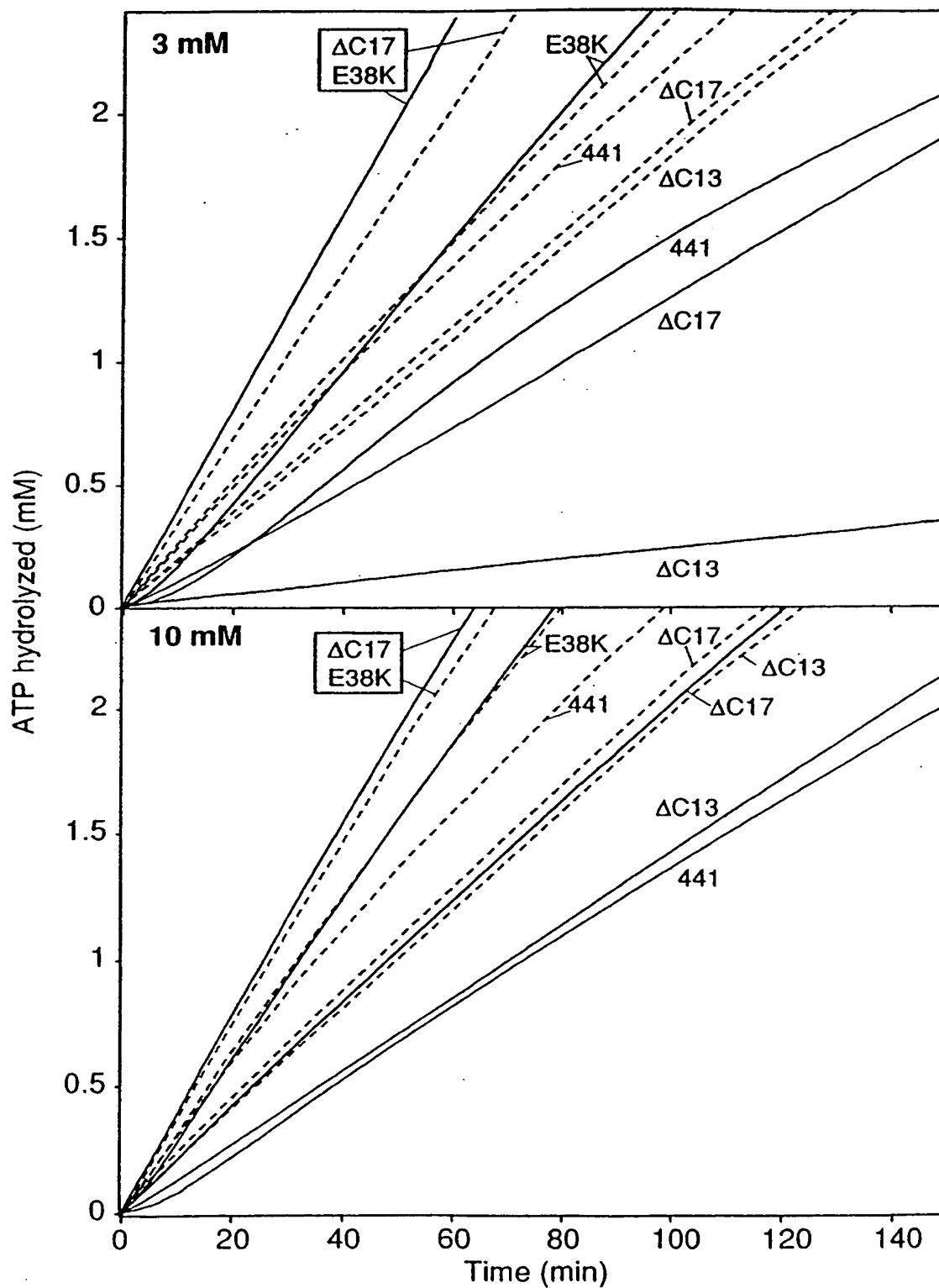


FIG 6

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

7/15

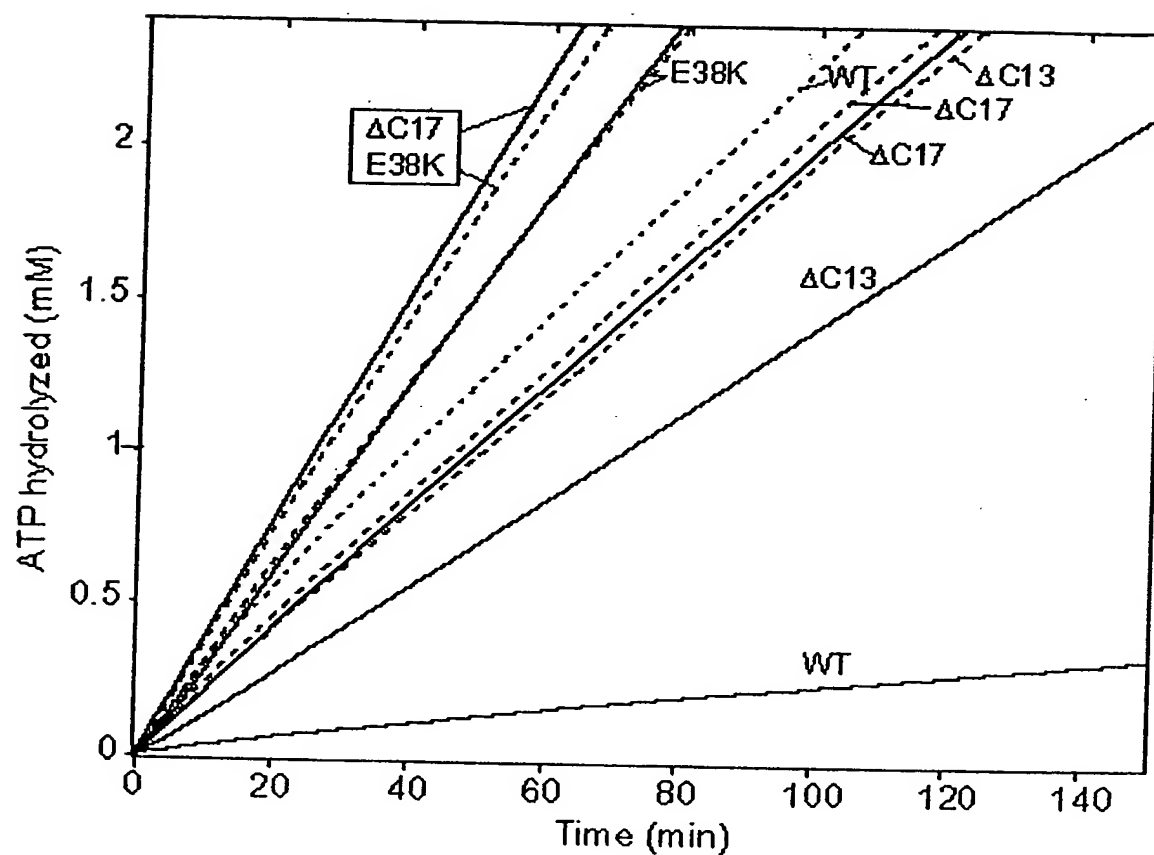


FIG 7

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

8/15

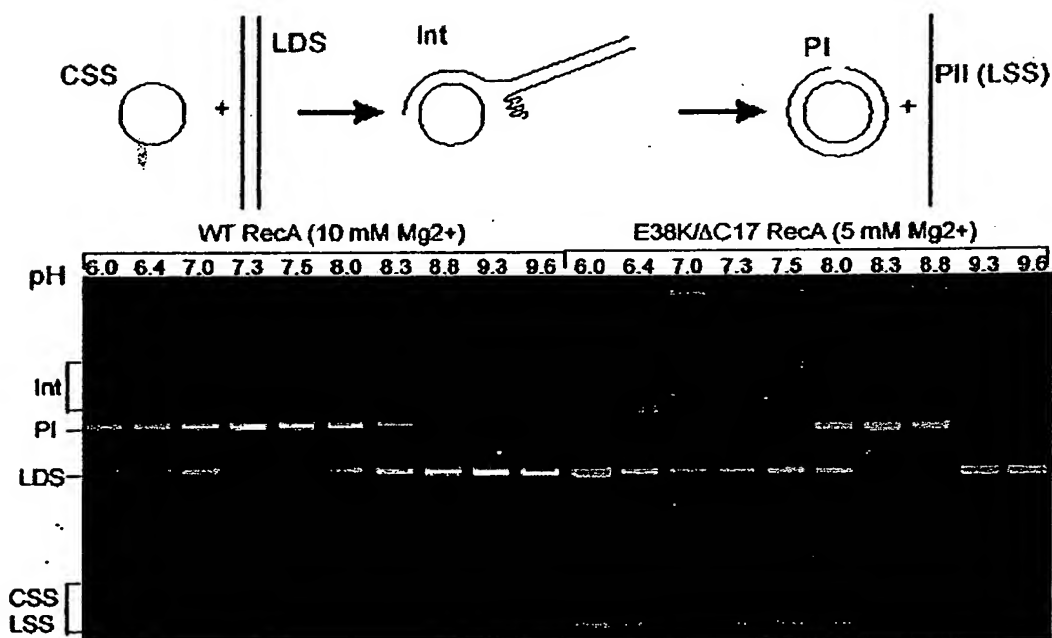


FIG 8



Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

9/15

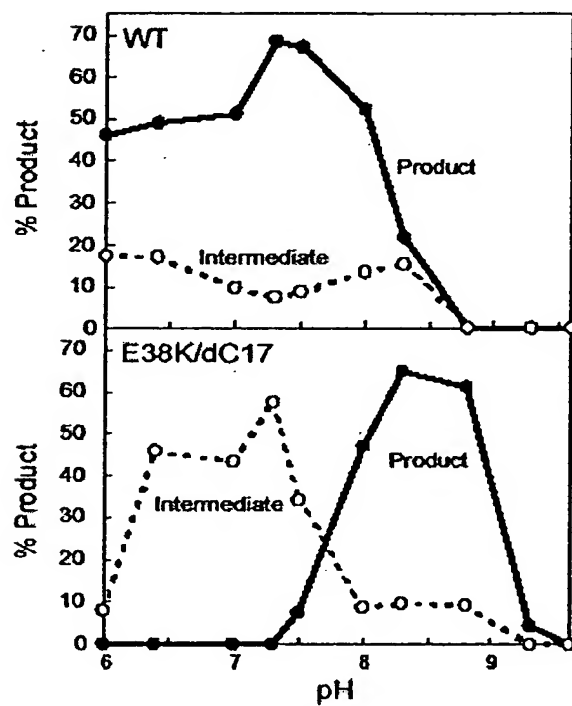


FIG 9

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

10/15

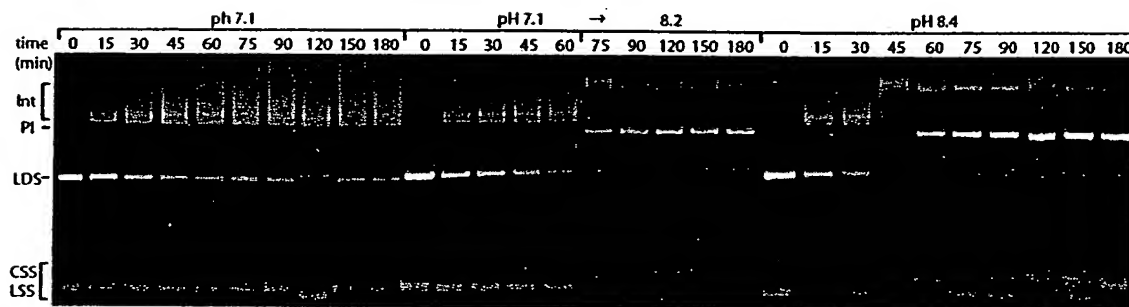


FIG 10

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

11/15

AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVET ISTGSLSLDI  
ALGAGGLPMG RIVEIYGPES SGKTTLTLQV IAAQREGKT CAFIDAEHAL  
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL  
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI  
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVKN  
KIAAPFKQAE FQILYEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG  
QGKANATAWL KDNPETAKEI EKKVRELLLS NPNSTP SEQ ID NO:1

FIG 11

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egglar  
Application No.:  
Docket Number: 960296.99501

12/15

```
1  ATGGCTATCG ACGAAAACAA ACAGAAAGCG TTGGCGGCAG CACTGGGCCA
51  GATTGAGAAA CAATTTGGTA AAGGCTCCAT CATGCGCCTG GGTGAAGACC
101 GTTCAATGGA TGTGGAAACC ATCTCTACCG GTTCGCTTTC ACTGGATATC
151 GCGCTTGGGG CAGGTGGTCT GCCGATGGGC CGTATCGTCG AGATCTACGG
201 ACCGGAATCT TCCGGTAAAA CCACGCTGAC GCTGCAGGTG ATCGCCGCAG
251 CGCAGCGTGA AGGTAAAACC TGTGCGTTTA TCGATGCTGA ACACGCGCTG
301 GACCCAATCT ACGCACGTAA ACTGGGCGTC GATATCGACA ACCTGCTGTG
351 CTCCCAGCCG GACACCGGCG AGCAGGCACT GGAAATCTGT GACGCCCTGG
401 CGCGTTCTGG CGCAGTAGAC GTTATCGTCG TTGACTCCGT GCGGGCACTG
451 ACGCCGAAAG CGGAAATCGA AGGCGAAATC GGCGACTCTC ACATGGGCCT
501 TGCGGCACGT ATGATGAGCC AGGCGATGCG TAAGCTGGCG GGTAACCTGA
551 AGCAGTCCAA CACGCTGCTG ATCTTCATCA ACCAGATCCG TATGAAAATT
601 GGTGTGATGT TCGGTAACCC GGAAACCACT ACCGGTGGTA ACGCGCTGAA
651 ATTCTACGCC TCTGTTCGTC TCGACATCCG TCGTATCGGC GCGGTGAAAG
701 AGGGCGAAAA CGTGGTGGGT AGCGAAACCC GCGTGAAAGT GGTGAAGAAC
751 AAAATCGCTG CGCCGTTTAA ACAGGCTGAA TTCCAGATCC TCTACGGCGA
801 AGGTATCAAC TTCTACGGCG AACTGGTTGA CCTGGGCGTA AAAGAGAAGC
851 TGATCGAGAA AGCAGGCGCG TGGTACAGCT ACAAAGGTGA GAAGATCGGT
901 CAGGGTAAAG CGAATGCGAC TGCCTGGCTG AAAGATAACC CGGAAACCGC
951 GAAAGAGATC GAGAAGAAAG TACGTGAGTT GCTGCTGAGC AACCCGAAct
1001 CAACGCCGTA A      SEQ ID NO:2
```

FIG 12

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

13/15

AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVKT ISTGSLSLDI  
ALGAGGLPMG RIVEIYGPES SGKTTTLTQV IAAQREGKT CAFIDAEHAL  
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL  
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI  
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVK  
KIAAPFKQAE FQILYEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG  
QGKANATAWL KDNPETAKEI EKKVRELLS NPNSTP\* SEQ ID NO:3

FIG 13

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Eggler  
Application No.:  
Docket Number: 960296.99501

14/15

```
1  ATGGCTATCG ACGAAAACAA ACAGAAAGCG TTGGCGGCAG CACTGGGCCA
51  GATTGAGAAA CAATTTGGTA AAGGCTCCAT CATGCGCCTG GGTGAAGACC
101 GTTCCATGGA TGTGAAAACC ATCTCTACCG GTTCGCTTTC ACTGGATATC
151 GCGCTTGGGG CAGGTGGTCT GCCGATGGGC CGTATCGTCG AGATCTACGG
201 ACCGGAATCT TCCGGTAAAA CCACGCTGAC GCTGCAGGTG ATCGCCGCAG
251 CGCAGCGTGA AGGTAAAACC TGTGCGTTTA TCGATGCTGA ACACGCGCTG
301 GACCCAATCT ACGCACGTAA ACTGGGCGTC GATATCGACA ACCTGCTGTG
351 CTCCCAGCCG GACACCGGCG AGCAGGCACT GGAAATCTGT GACGCCCTGG
401 CGCGTTCTGG CGCAGTAGAC GTTATCGTCG TTGACTCCGT GGCGGCACTG
451 ACGCCGAAAG CGGAAATCGA AGGCGAAATC GGCGACTCTC ACATGGGCCT
501 TGCGGCACGT ATGATGAGCC AGGCGATGCG TAAGCTGGCG GGTAACCTGA
551 AGCAGTCCAA CACGCTGCTG ATCTTCATCA ACCAGATCCG TATGAAAATT
601 GGTGTGATGT TCGGTAACCC GGAAACCACT ACCGGTGGTA ACGCGCTGAA
651 ATTCTACGCC TCTGTTCGTC TCGACATCCG TCGTATCGGC GCGGTGAAAG
701 AGGGCGAAAA CGTGGTGGGT AGCGAAACCC GCGTGAAAGT GGTGAAGAAC
751 AAAATCGCTG CGCCGTTTAA ACAGGCTGAA TTCCAGATCC TCTACGGCGA
801 AGGTATCAAC TTCTACGGCG AACTGGTTGA CCTGGGCGTA AAAGAGAAGC
851 TGATCGAGAA AGCAGGCGCG TGGTACAGCT ACAAAGGTGA GAAGATCGGT
901 CAGGGTAAAG CGAATGCGAC TGCCTGGCTG AAAGATAACC CGGAAACCGC
951 GAAAGAGATC GAGAAGAAAG TACGTGAGTT GCTGCTGAGC AACCCGAAct
1001 CAACGCCGTA A      SEQ ID NO:4
```

FIG 14

Title: RecA MUTANTS  
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger  
Application No.:  
Docket Number: 960296.99501

15/15

AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVET ISTGSLSLDI  
ALGAGGLPMG RIVEIYGPES SGKTTLTLQV IAAQREGKT CAFIDAEHAL  
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL  
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNLTL IFINQIRMKI  
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVKV  
KIAAPFKQAE FQILYEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG  
QGGANATAWL KDNPETAKEI EKKVRELLLS NPNSTPDFSV DDSEGVAETN EDF  
SEQ ID NO: 5

FIG 15